1899.

HARDY PERENNIALS FROM SEED.

GENERAL OFFER OF

NEW YORK BOTANICAL GARDEN.

Aquilegia coerulea.
(Colorado State Flower.)

Hardy Cacti,

Colorado Wild Flowers,

Novelties in Plants and Seeds.

D. M. ANDREWS,

Boulder, Colorado, U. S. A.

GREETING

In presenting this catalogue of Rare Plants and Seeds we would respectfully call your attention to the value of Hardy Perennials and the very small outlay required to secure a large collection by growing them from the seed. We call especial notice to the native Colorado plants of which very many are entirely new to cultivation.

We take this opportunity to thank you for past favors and hope to have you with us for 1899.

TERMS: Prices on plants are strictly net. Six will be sold at the dozen rate and single plants as follows: 10 cents each when the dozen rate is 75 cents, or less; 15 cents each up to $1.25 per dozen; 20 cents each up to $1.75 per dozen; 25 cents each up to $2.50 per dozen; 30 cents each up to $3.00, etc. Postage extra except on single plants. *We cannot send plants to Europe by mail.*

On seeds we allow a discount of 20 per cent. where the remittance nets one dollar or more but only on cash orders. We pay postage on seeds. Please list plant and seed orders separately.

Send money by any safe method; one or two cent U. S. postage stamps may be sent for small amounts. Foreign customers will please remit by Postal Order on Boulder, Colorado.

We shall be glad to send a copy of this catalogue to your friend who is a grower of Perennial plants.

EXPLANATION. Those plants which are indigenous to Colorado are indicated by an asterisk (*)

Keeping in mind the fact that a satisfied customer is our best advertisement,

Very truly yours,

D. M. ANDREWS,

Boulder, Colorado.

LIBRARY
NEW YORK
BOTANICAL
GARDEN

HARDY CACTI.

Our introduction of these useful and interesting plants a few seasons ago has opened up new possibilities in permanent planting, and seems to be filling a long felt want, for something extremely hardy both against cold and drought. These have a further advantage of being effective both winter and summer, and while in bloom few plants can rival them in splendor.

All these endure safely, a winter temperature often exceeding 20 degrees below zero. The chief precaution being to avoid stagnant moisture at the roots especially during winter. On the plains the clumps are usually found growing upon a slight mound produced by the lodgment of dust, sand and other debris blown about by the wind. This will suggest a soil in which humus and sand are prominent factors; to which broken stone, limestone preferred, may be added with good results. The low mound culture may well be imitated.

The Opuntias are especially adapted to planting extensive areas which would be too dry or sandy for anything else. The wonderfully distinct character of each of the sorts we offer will prevent any degree of monotony from extensive use. Remember we are headquarters for all "Hardy Cacti" and our prices are below competition.

Opuntia arenaria.* This new Opuntia is related to the *O. fragilis* but has flat round joints 2 inches in diameter; spines very long, straw color, or varying to purple. Flowers yellow or purplish. Quite rare. $1.00 per dozen; seed 10 cents.

Opuntia arenaria.* Very dark spined variety. Seed 15 cents.

Opuntia Arborescens.* Cylindrical branching sort, often growing 6 feet tall. Large rich purple flowers, yellow fruit and perfectly hardy. Small plants, $2.50 per dozen; seed 10 cents.

Opuntia Camanchica.* One of the most showy of all, bearing an abundance of large yellow flowers, followed by the large crimson fruit, which ripens early and remains perfect until late winter. The joints are large, nearly orbicular in outline, very glaucus, and the upper half is clothed with long stout spreading spines in beautiful shades of white, straw, red, purple and black. Extra select stock. $1.00 per dozen, seed 5 cents.

Opuntia Camanchica gigantea.* This remarkable plant seems to be a gigantic variety of the last, and is so classified temporarily. It is a recent discovery, and the stock is limited.

Some of the joints are 12 inches or more in length. In other respects it resembles the last species, except the joints are covered with a purple glaucus bloom while in some plants the purple color even extends to the flesh of the plant. A most striking plant, which has occasioned much surprise and admiration where ever exhibited. Offered now for the first time. $2.00 per doz. seed 10 cts.

Opuntia fragilis.* This has the smallest joints of any, oval and about one inch long. Very spiny, and soon forms neat compact clumps. Flowers deep yellow. 50 cents per dozen, seed 5 cents.

Opuntia mesacantha Greenii.* (*O. Rafinesquii Greenii.*) This has few spines, the joints are oblong and dark green. The most abundant bloomer of all. Fruit purple. 75 cents per dozen, seed 5 cents.

Opuntia mesacantha Greenii.*

Opuntia polycantha.* (*Opuntia Missouriensis.*) A handsome species, and remarkably spiny. Spines long, very stout and in lovely shades of yellow and brown. Flowers yellow to orange. Extra choice stock. $1.00 per dozen, seed 50 cents.

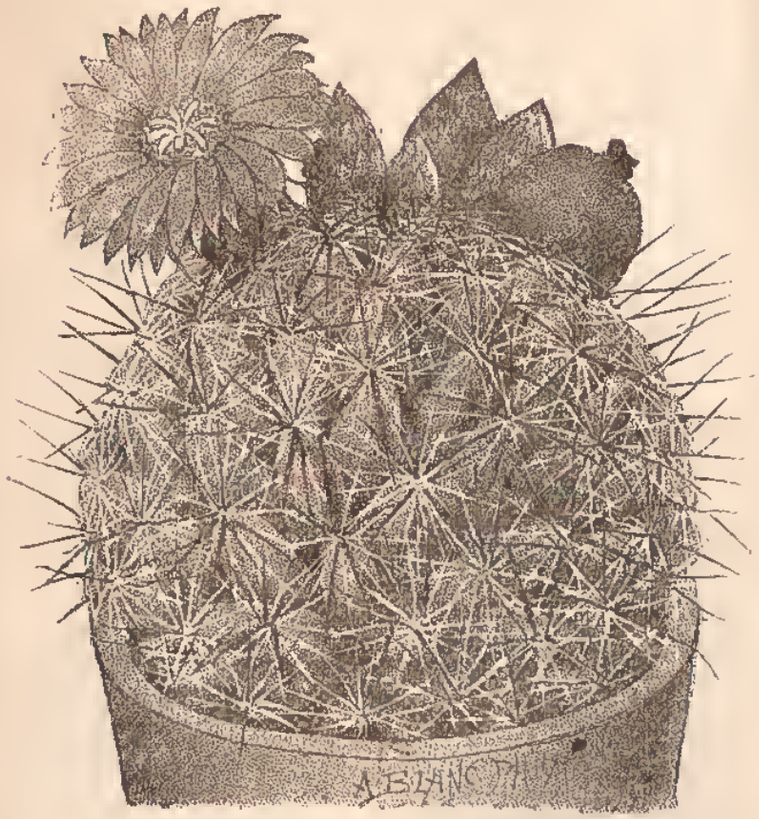
Opuntia polycantha albispina.* White Spined Opuntia. A varity of the last with pure white spines; those on the older joints often elongated and curled or twisted. Very distinct and showy. $1.00 per dozen.

Opuntia polycantha, (dark spined.)* A variety with purple and black spines, very long and stout. Joints smaller, flowers orange or tinged purple. Supply limited. $2.50 per dozen, seed 10 cents.

Echinocereus viridiflorus.* Green flowered Cereus. This is especially beautiful on account of the red, purple and white spines with which the plant is covered, the colors being often arranged in circular bands about the plant. Magnificent stock. 75 cents per dozen, seed 10 cents.

Cactus (*Mamillaria*) Missouriensis.* Missouri or Nipple Cactus. Tubercles long, each one tipped with a star of gray spines. Flowers yellow or orange quite numerous, followed the next spring by scarlet berries. 75 cents per dozen, seed 10 cents.

Cactus viviparus.* Purple Cactus. Whole plant covered with purple and white spines. Flowers very large and showy, bright purple, plant extra hardy and a good bloomer. Quite rare. Large plants and clusters. $3.00 per dozen, seed 10 cents.



Cactus viviparus.*

Echinocactus Simpsoni.* Hedgehog Cactus. Plant nearly hidden by various colored spines, ranging from white through shades of straw, yellow, brown, purple to black. Very fine bloomer, flowers from shell-pink to bright rose. A vigorous grower. Extremely hardy, one of the few Echinocacti to grow in clusters. Immense stock. Extra choice plants including many pairs, triplets and clusters. $3.00 per dozen, seed 10 cents.

Echinocactus Simpsoni.*

RARE NOVELTIES AND SPECIALTIES IN HARDY PERENNIAL PLANTS AND SHRUBS.

Colorado Plants are marked thus (*)

Abronia fragrans.* Wild Four-o'clock. 1 foot. Many large umbles of fragrant white flowers, all summer. Seed 10 cents.

Amelanchier alnifolia.* Upland June Berry. 4 feet. A dwarf, ornamental flowering shrub, with showy edible fruit. Flowers greatly resembling *Clematis paniculata*, and very fragrant. Thrives even in very dry soil. Excellent collected stock. 1 foot, 75 cents per dozen.

Amorpha nana.* Lead Plant. 1 foot. An excellent dwarf shrub with beautiful foliage and numerous clustered spikes of red-garnet *fragrant* flowers. A thoroughly good novelty. seed 10 cents.

ANEMONE.

Wind Flower.

This interesting class of plants includes many of highest ornamental value, easy culture, and several are easily grown from seed while others are slow sometimes requiring several months for germination.

Anemone alpina. 1½ feet. Flowers rosy-white Seed 10 cents.

A. decapetala. 1 foot. Creamy white or sometimes purple; germinates quickly. Seed 15 cents.

A. dichotoma.* 1 foot. Pure white, very neat. Seed 10 cents.

A. multifida.* 1 foot. Bright crimson flowers. Seed 10 cents.

A. narcissiflora. 1 foot. White flowers in umbels. Seed 10 cents.

A. Sylvestris.

A. patens Nutt.* 1 foot Flowers very large pale lavender, early. Seed 10 cents.

A. rubra. Red flowers, choice. Seed 10 cts.

A. sulphurea. 9 inches. Flowers yellow, very distinct sort. Seed 10 cents.

A. Sylvestris. 1 foot. Very handsome white flowers, germinates easily. Seed 15 cents.

A. vernalis. 6 inches. Pale blue. Seed 5 cents.

Aquilegia chrysantha (true.)* Yellow Columbine. We venture to claim that *true wild seed* of this beautiful plant is offered by no other seedsman in the world. On account of the disposition of all Columbines to hybridize, the value of wild seed will be apparent. This seed was collected last summer in Cheyenne Canyon, at the base of Pike's Peak. The plants of that locality produce very large *cream colored* flowers. Seed 25 cents.

Aquilegia coerulea.*

Aquilegia coerulea (true.)* Rocky Mountain Blue Columbine. The true plant is without a rival among Columbines, but is seldom offered. Ours is the true blue and white sort, with extra large flowers and long spurs. Seed saved from wild plants far away iu the mountains, 15 cents. Plants grown from wild seed, 75 ceuts per dozen.

HARDY ASTERS.

Our collection of Hardy Asters embraces a magnificient assortment, which will be found very distinct, and includes some choice new sorts. They are of easiest culture and exceedingly useful.

Aster alpinus. 6 inches Large violet blue heads. Seed 10 cts.

A. alpinus albus. Similar but flowers white Seed 25 cents.

A. amellus. 2 feet. Violet purple heads, showy. Seed 10 cts.

A. amellus albus. A form with large pure white heads. Seed 10 cents.

Hardy Aster.

A. commutatus.* 1 foot. Low branching habit, flowers middle sized, white, very abundant. Seed 10 cents.

A. Fendleri.* 1 foot. Splendid novelty with large rosy-violet flowers; very distinct. Seed 20 cents.

A. foliaceus.* 1 foot. Flowers rose pink, new. Seed 15 cents.

A. Fremonti.* 1 foot. Heads very large, sometimes 2½ inches across. Violet rays, smooth neat plant. Suitable for moist shady places. Novelty. Seed 15 cents.

A. laevis.* 4 feet. Smooth foliage, erect graceful habit, sky-blue flowers. Seed 10 cents.

A. Porteri.* 1 foot. One of the best pure white sorts, charming novelty. $1.00 per dozen; seed 15 cents.

A. tanacetifolius.* 6 inches. Annual, large purple heads. Seed 5 cents.

A. undulatus. 1½ feet. Very choice free blooming sort. Seed 5 cents.

Argemone hispida.*

Argemone hispida.* Colo. Silver Poppy. 2 feet. Beautiful bluish foliage, satiny white flowers four inches across, golden yellow centers. This new sort is quite distinct from the next. Seed 10 cents.

Argemone platyceras.* 3 feet. Very large white flowers, all summer, ornamental foliage. Seed 5 cts.

ASTRAGALUS.

Flowering Vetch.

A group of plants easily grown, belonging to the Pea family. Our collection is remarkable for its diversity in form, color and arrangement of flowers, and in habit of growth. This group includes several of our most ornamental wild flowers. All have beautiful divided foliage.

Astragalus canadensis.* 1 foot. Flowers pale yellow in dense spikes. Seed 5 cents.

A. caryocarpus.* 1 foot. Trailing sort, heads of white flowers with violet eye; large plum shaped pods. Seeds 10 cents.

A. Drummondii.* 1 foot. Beautiful silvery foliage, immense spikes of white flowers; one of the best. Seed 15 cents.

A. flexuosus.* 1 foot. Sprays of small purple flowers. Seed 5 cents.

A. hypoglottis.* 4 inches. Numerous large clover-like heads of violet purple flowers, very choice. Seed 10 cents.

A. hypoglottis albus.* A pure white variety. Seed 10 cents.

A. Laxmanii * 6 inches. Late white species. Seed 10 cents.

A. Laxmanii purpureus.* Variety with purple flowers. Seed 10 cents.

A. Parryi.* 4 inches. Pale yellow with purple eye. Seed 10 cents.

A. racemosus.* 1 foot. Neat erect habit, rather large white flowers in terminal spikes. Seed 5 cents.

A. racemosus purpureus.* A purple flowered variety. Seed 10 cents.

A. Shortianus.* 5 inches. Low clustered habit, large heads of bright purple flowers. Extra good. Seed 15 cents.

Bigelovia graveolens.* Golden Feather. 3-6 feet. This is one of the best plants we have on our list, and is now, we believe, offered for the first time. It is a vigorous shrub of neat, compact, habit, and extremely hardy, moreover, it is of easiest culture and will thrive in any ordinarily fertile soil, either quite moist or very dry. The foliage is abundant, narrowly linear, silvery gray, giving a light, graceful appearance to the plant. The great beauty of the plant, however, is in the flowers, which are bourn in great golden plumes at

the end of every branch. The individual heads are not large but are quite long, and every part of the flower as well as the involucre is of the same deep golden yellow. The bright yellow buds appear late in summer and the flowers do not fade until severe frost, giving an unusually long blooming season. The flowers are very fragrant and the plants have no ill odor as the specific name implies, except on drying. Extra strong, well rooted stock, $3.00 per dozen; seed 25 cents.

Bigelovia graveolens var. Albicaulis.* 1 foot. A low growing form of the above, with smaller plumes but very desirable. Excellent for low hedges or edgings. $2.00 per dozen, seed 20 cents.

Brickellia grandiflora.* 2 feet. Tassel Flower. Large yellowish white tassell shaped heads, very pretty. Moist shady places. Seed 15 cents.

CAMPANULAS.

We take great pleasure in offering the following collection of *Hardy Perennial Campanulas;* all annual and biennial sorts being omitted. These are among the easiest of all plants to grow from seed, and many will bloom the first season if sown early. This genus includes a remarkable variety of forms of which we have included only the most distinct. These are noted for their free blooming qualities, and high ornamental merit. Mostly of European and Asiatic origin.

Campanulas.

Campanula allonia. 6 inches. Deep violet blue; rare. Seed 15 cents.

C. barbata. 2 feet. Pale porcelain-blue, distinct. Seed 10 cents.

C. glomerata. 2 feet. Violet flowers in large heads. Seeds 5 cents.

C. lamiifolia. New sort from Switzerland; no discription given. Seed 10 cents.

C. latifolia. 3 feet. Large deep blue flowers, extra good sort. Seed 10 cents.

Campanula punctata.

C. latifolia alba. Beautiful white variety. Seed 10 cents.

C. marcrantha. 3 feet. Resembles the last, but flowers larger, deep violet. Seed 15 cts.

C. Nobilis. 2 feet. Similar in habit to the next. Flowers 3 inches long, clear red-violet. Very rare and distinct new sort. Seed 25 cents.

C. punctata. 2 feet. Very large white flowers, blotched with red inside. Grand new sort. Seed 25 cents.

C. pulla. Flowers rich dark purple, one of the best; rare. Seed 25 cents.

C. pyramidalis. 3 feet. Flowers large, pale blue. Seed 5 cts.

C. pyramidalis alba. Same, flowers white. Seed 10 cents.

C. rapunculoides. 3 feet. Large purple flowers in long graceful racemes. Seed 15 cents.

C. rotundifolia.* 1 foot. The true Hair bell or "Blue bells of Scotland." Seed 10 cents.

C. sarmatica. 1 foot. Pale blue; rare. Seed 10 cents.

C. Van Houttii. Tall, with very large pale blue flowers, one of the best in our collection. Seed 25 cents.

Cerocarpus parvifolius.* Mountain Mahogany, 6 feet. A nearly evergreen Rosaceous shrub of peculiar and attractive habit of growth. Flowers white, early, followed by the long plumose achens, which are three to five inches

long, strangely curled and twisted, arranged above and on each side of the slender branches, so that at a little distance they have an appearance suggestive of Ostrich plumes. Easily transplanted and thrives anywhere. Strong bushy stock, $2.00 per dozen; seed 10 cents.

CLEMATIS.

(Erect, non-climbing sorts.)

A valuable class of herbaceous perennials, very easily grown. Most Clematis seed germinates slowly but is quite sure to grow.

Clematis Davidiana. 2 feet. Very beautiful blue flowered sort. Late summer. $2.50 per dozen.

Clematis Douglasii.* Mountain Leather Flower. 1 foot. One of the finest of spring blooming perennials, flowers handsome deep blue, similar in shape but much larger and more showy than those of *Clematis Crispa*, foliage silky gray, beautifuly cut into almost linear segments. Seed heads very plumose and quite conspicuous. $1.00 per dozen; seed 10 cents.

Clematis Fremontii.* Fremont's Leather Flower. 1 foot. Very distinct from the preceding species, leaves entire, flowers pale blue and appearing later. A handsome and conspicuous plant during the entire season of growth. Quite rare. $1.00 per dozen; seed 15 cents.

Clematis stans. 2 feet. Quite similar to *C. Davidiana* but flowers white, $3.00 per dozen.

Clematis Davidiana.

Cyperus strigosus. 1 foot. Hardy Umbrella Plant. This charming novelty is perfectly hardy, and is a great aquisition. Our illustration is remarkably accurate, but the beautiful bronzy green hues of the flower must be seen to be appreciated. It is of easiest culture and will succeed anywhere, but like the

SEED 25 CTS.

Cyperus strigosus.

common Umbrella Plant will do best where it can have plenty of moisture.

DELPHINIUM.

Perennial Larkspur.

Several of the *Delphiniums* are well known, and are among the most valuable of hardy plants. We are offering now for the first time a few exceedingly valuable sorts which can scarcely fail to be very popular. Nearly all grow readily from seed.

(Open Flowered Section.)

Delphinium azureum.* 3 feet. Very graceful sort, with sky-blue flowers; rare. Seed 15 cts.

D. azureum abidum.* 3 feet. Flowers large, white; more common than the type. Seed 10 cents.

D. elatum. 6 feet. Very large showy sort. Seed 5 cents.

D. Menziesii.* 1 foot. Very dwarf, and very early, a remarkably distinct sort. Flowers very deep blue. Seed 25 cents.

D. Occidentale.* 4 ft. Robust species with nearly black flowers. Seed 15 cents.

D. Scopulorum.* 3 ft. Very beautiful, large flowers in long spikes of most intense blue. Extra good, and blooms first year if sown early. $1.00 per dozen; seed 10 cents.

Delphinium.

(Cashmerianum or Hooded Section.)

D. Cashmerianum. 1½ feet. Belongs to a very distinct type. Flowers in loose panicles, curiously hooded, pale to deep blue. Seed 10 cents.

D. nudicaule. 1½ feet. A beautiful California species resembling the preceeding but flowers of most brilliant scarlet. Seed 10 cents.

D. Cashmerianum.

D. zalil. 2½ feet. A unique species with rich sulphur yellow flowers. Seed 10 cents.

DIANTHUS.

We offer several choice sorts not common in cultivation. All are of simple culture, easily grown from seed and often bloom the first year.

Dianthus alpinus. 5 inches. Large purple flowers, extra choice. Seed 15 cents.

D. atrorubens. 6 inches. Dark red, rare. Seed 10 cents.

D. capitatus. 1 foot. Bright rose. Seed 10 cts.

D. superbus. 1½ feet. Violet: petals beautifully fringed. Seed 15 cents.

Dianthus.

D. sylvestris. 6 inches. Deep rose, very neat. Seed 10 cents.

Dodecatheon pauciflorum.* 9 inches. Smooth, slender species with rosy-purple flowers in loose umbles. 75 cents per dozen; seed 15 cts.

ERYNGIUM.

Sea Holly.

In this interesting genus we find a curious mingling of the fantastic and the beautiful. We offer four very distinct and perfectly hardy species. Easily grown from seed and will thrive in any garden.

Eryngium alpinum. 2½ feet. Heads and involucres sky-blue; robust species and very showy. Seed 10 cents.

Eryngium.

E. amethystinum. 1 foot. Heads and involucres purplish blue, foliage curiously forked and twisted. Seed 15 cents.

E. Oliverianum. 8 inches. Beautiful miniature of *E. alpinum*; new. Seed 15 cents.

E. Yuccaefolium. 4 feet. Very distinct sort with very narrow yucca-like foliage two feet long; heads white and very fragrant. Fine tropical effect. Strong plants 75 cents per dozen. Seed 10 cents.

Euphorbia robusta.* Rocky Mountain Spurge. 1 foot. A very neat perennial, of compact, upright growth. Valuable for its symetrical shape and ornamental foliage, especially adapted for edgings, borders of beds etc. and does not produce suckers nor spread from the root; any soil. Seed 10 cents.

Galium boreale.* 1 foot. Beautiful sprays of small fragrant snow-white flowers; indispensable for bouquets. Easily grown. Seed 10 cents.

GENTIANA.

A remarkable group of plants possessing a high degree of ornamental merit. Most of these are of easy culture, thriving best in a rather moist, half shaded situation. Some species germinate very slowly.

Gentiana acaulis. 4 inches. Flowers of most intense blue of unrivaled brilliancy. Needs light well drained soil; germinates slowly. Seed 10 cents.

G. Andrewsii.* 1 foot. Strong vigorous grower, and easily raised from seed. Flowers large pale blue, closed. One of the best. Seed 10.

G. angustifolia. 6 inches. Graceful habit, large bell-shaped flowers. Plants $1.50 per dozen.

G. asclepiadea. 1½ feet. Flowers long-tubular, blue. Seed 10 cents.

Gentiana acaulis.

G. asclepiadea alba. White flowers. Seed 10 cts.

G. Bigelovii.* Clustered Blue Gentian. 6 inches. This comparatively new plant is of very easy culture, and ranks high in ornamental merit. It soon forms large clumps, often 40 to 50 stems from a single plant, each bearing from 10 to 20 rather large bright blue axillary and terminal flowers. The plants I offer are extra strong, well rooted clumps. 1.00 per dozen; seed 15 cents.

G. Clusii. 6 inches. Flowers blue, early bloomer Seed 10 cents.

G. cruciata. 10 inches. Clusters of deep blue flowers, easily grown from seed. Seed 10 cts.

G. decumbens. 9 inches. Blue, distinct habit. Seed 10 cents.

G. lutea. 3 feet. Tawny-yellow star-like flowers in axillary clusters. Very distinct. Seed 10 cents.

G. macrophylla. 1 foot. Excellent Siberian sort. Seed 10 cents.

G. Parryi.* Parry's Blue Gentian. 1 foot. A large, robust species with much the habit of the well known *G. Andrewsii*, but the flowers are open-bell-shaped, and very deep, intense blue. Strong clumps $1.25 per dozen; seed 15 cents.

G. punctata. 3 feet. Resembles *G. lutea*, but flowers beautifully spotted with purple. Seed 10 cents.

G. purpurea. 1 foot. Curious redish brown flowers. Seed 10 cents.

G. septemfida. 10 inches. Flowers blue, one of the best, germinates easily. Seed 15 cents.

HARDY GERANIUMS.

Very choice hardy free-blooming plants, presenting a wonderful variety of bloom, foliage and habit of growth. They are easily grown from seed, and will thrive in any good soil. Colors range from white to lilac, rose, purple, red etc.

Geranium Fremontii.* Seed 10 cents.

G. Ibericum. Seed 10 cents.

G. marcorhiza. Seed 15 cents.

G. platypetalum. Best. Seed 25 cents.

Hardy Geranium.

G. pratense. Seed 10 cents.

G. pratense (*varieties.*) Seed 10 cents.

G. Richardsonii alba.* Seed 15 cents.

G. Sibericum. Seed 10 cents.

G. sylvaticum. Seed 15 cents.

HEUCHERAS.

Handsome marbled and cut evergreen foliage, and showy flowers, easily grown from seed and thrives in ordinary soil.

Heuchera sanguinea. 1½ feet. Crimson Bells. One of the most beautiful of hardy plants, producing its numerous sprays of crimson-scarlet flowers for many weeks. No discription can do justice to this remarkable plant.

Heuchera sanguinea (Crimson Bells.)

Strong blooming plants, 75 ceuts per dozen; seed 10 cents.

H. sanguinea alba. 1 foot. Those who have seen the *sanguinea* will welcome this pure white form which comes perfectly true from seed. Plants $3.00 per dozen; seed 20 cents.

H. SANGUINEA HYBRIDA, "Rosy Morn." 2 feet. A most remarkable plant, evently a hybrid between *sanguinea* and *alba.* It is more robust than the type, flowers beautiful *rosy-pink*, and foliage deeper cut and the divisions more pointed. We predict some interesting results from this stock. Seed 25 cents.

H. bracteata.* 9 inches. Flowers yellowish-white, in narrow spikes, beautiful foliage. $1.00 per dozen; seed 10 cents.

H. hispida. Seed 15 cents.

H. parvifolia.* 2 feet. Seed 10 cents.

H. purpurascens. Seed 15 cents.

Inula glandulosa. 3 feet. Very handsome, with immense golden-yellow flowers; easily grown. Strong plants, $3.00 per dozen; seed 25 cents.

Inula glandulosa.

Inula helenium. 6 feet. Stout grower, yellow flowers, Seed 10 cents.

Jamesia Americana.* 4 feet. Handsome new white flowering shrub, related to *Philadelphus*. Seed 15 cents.

Lathyrus polymorphus.* 1 foot. New large flowered perennial Pea, one of the most beautiful dwarf sorts; deep rosy-red. $2.00 per dozen; seed 25 cents.

Lepachys columnaris.* 2 feet. Beautiful *Composite* with very long drooping yellow rays. Seed 5 cents.

L. columnaris pulcherrima.* A grand variety with the base of each ray conspicuously blotched with orange scarlet. Seed 10 cents.

L. columnaris totus purpureus.* A variety with dark orange-brown rays, almost black; very unique. Seed 15 cents.

Lithospermum multiflorum.* Panicled Puccoon. 1½ feet. Very free blooming, branched from the root, flowers tubular golden yellow. One of the best of this interesting genus. Seed 15 cents.

L. angustifolium.* 6 inches. Neat pale cream tubular flowers with fringed petals. Seed 10 cents.

L. longiflorum.* 1 foot. Larger flowers, pale lemon yellow; very handsome. Seed 15 cents.

Lonicera involucrata.* Bush Honeysuckle. 4 feet. Luxuriant foliage, yellow flowers, and conspicuous purple involucres, half inclosing the dark crimson fruit. Makes fine compact clumps. $1.00 per dozen; seed 10 cents.

LUPINES.

The perennial Lupines are easily grown from seed and will thrive in any sunny well drained spot. All have beautiful flowers and foliage.

Lupine.

Lupinus argenteus.* 2 Choice novelty with beautiful silvery foliage and long spikes of indigo-blue flowers. Seed 25 cts.

L. diffusus. Choice new sort. Seed 5 cents.

L. Plattensis.* 1 foot. Platte River Lupine A very rare new sort from the Platte-Arkansas divide and decidedly the best we have ever seen. The flowers are unusually large, clear pale lilac with a deep violet blotch nearly covering the large upper petal, having a striking resemblance to the *Viola pedata bicolor*. The flowers are bourn in heavy spikes, well above the silvery white foliage which is exceedingly ornamental. The plant is perfectly hardy, and is one of the best introductions of the season. Seed 25 cents.

L. parviflorus.* 3 feet. Robust free-blooming sort, the showy flowers varying from pale rose to deep blue- Seed 10 cents.

L. pusillus.* 1 foot. Low spreading habit, flowers deep blue, white eye, all summer; may be only annual. Seed 10 cents.

OENOTHERAS.

Evening Primroses.

Ornamental, free blooming plants of easy culture, producing very long white, rose or yellow saucer shaped flowers all summer. Easily grown from seed except *brachycarpa* and *caespitosa* which usually germinate slowly.

Oenothera albicaulis.* 3 feet. Flowers white. Seed 10 cents.

O. brachycarpa.* 6 inches. Giant yellow flowers four inches across, changing to vermillion. Plants $1.00 per dozen; seed 10 cents.

O. caespitosa.* 6 in. Flowers like *brachycarpa* but pure white changing to bright rose. Plants $1.00 per dozen; seed 10 cents.

O. Missouriensis.*

O. Frasera.* 1 foot. Beautiful yellow flowers. Plants 75 cts. per dozen; seed 10 cents.

O. Missouriensis.* Beautiful trailing species, immense yellow flowers, neat willow-like foliage. Seed 10 cents.

O. serrulata.* 1 foot. Very distinct shrubby sort, with yellow flowers and the petals curiously crumpled. Blooms abund-

dantly all summer. Plants $1.00 per dozen; seed 10 cents.

PENTSTEMONS.

Pentstemons.

A good collection of Pentstemons makes a valuable addition to any garden. Being easily grown from seed, of simplest culture and producing an abundance of showy flowers which are well suited for cutting, they will always be popular. The kinds here offered are remarkably distinct. Will do best in sunny well drained place.

Pentstemon acuminatus.* 1 foot. Large lilac flowers. Plants 75 cents per dozen; seed 5 cents.

P. Barbatus.* 4 ft. Fiery scarlet. 60 cents per dozen; seed 5 cents.

P. coeruleus.* 1 foot. Sky-blue to white. Seed 10 cents.

P. confertus. 1 foot. Blue. Seed 5 cents.

P. cyanthus.* 1 foot. Intense Larkspur-blue, very large flowers. Seed 10 cents.

P. cordifolius. Dwarf, scarlet flowers. Seed 10 cts.

P. digitalis. 1½ feet. White, veined crimson. Seed 10 cents.

P. laevigatus. 1½ feet. Purple *foliage.* Seed 10 cents.

P. glaber.* 3 feet. Large flowers all shades of blue. Seed 10 cents.

P. glaber rubra.* Bright red variety. Seed 10 cts.

P. gracilis.* 1 foot. New, pale lavender. Seed 10 cents.

P. humilis.* 6 inches. Indigo-blue. Seed 10 cts.

P. rubicaulis. 1 foot. Rich crimson from Oregon. Seed 15 cents.

Phacelia glandulosa.* 1 foot. Handsome dissected foliage, large terminal clusters of brilliant purple flowers. Seed 15 cents.

Physostegia Virginica alba. White Lion's Heart. 3 feet. A variety of this handsome plant with snow white flowers; blooms continuously from early summer till frost. A great aquisition. $1.50 per dozen; seed 15 cents.

Rosa Arkansana.* Arkansas or Prairie Rose. 1 foot. A very dwarf, free blooming species; will grow in almost any soil, and is very useful for covering barren places. $1.00 per dozen; seed 10 cents.

Rosa Fendleri.* Winter Berry Rose. 4 feet. This is the best shrub we have seen for ornamental winter fruit display. The berries are very abundant, bright coral red, ripen in early autum and remain on the branches and in perfect condition all winter and often until the new growth begins in spring. The foliage is small and deeply serrate, and the large single flowers are very attractive. $1.50 per dozen; seed 10 cents.

Rubus deliciosus.* Flowering Thimble Berry. 5 feet. Few shrubs can compete with this in beauty either of flower or foliage. The growth is perennial and of compact twiggy habit. The foliage abundant, beautifully lobed and crenate, so that while the leaves are large, the effect is bold without appearing coarse. During the long blooming season, in early summer, the foliage is almost smothered in clouds of snow white flowers as large as single roses. The canes are very much hardier than of any other Rubus, either wild or cultivated of our acquaintance, growing fully exposed at 8000 feet altitude in Colorado. Good transplanted seedlings, $1.00 per doz.; seed, 10 cents.

Rumex venosus.*

Rumex venosus.* 1 foot. A superb novelty of easy culture, and neat habit. The conspicuous winged seeds are an inch or more broad, beautifully rose tinted and veined with crimson. (Cannot furnish seed.) Thrifty plants, 50 cts. each, 3 for $1.00.

SALVIA.

Flowering Sage.

An attractive group of easily grown plants, most of them blooming the first year from seed. Will do best in a rather sandy or well drained loam in a sunny place.

Salvia.

S. argentea. 1½ ft. Immense densely woolly white foliage and large branching panicle of white flowers. Seed 10 cents.

S. azurea grandiflora.* 2½ feet. Panicles of large deep azure-blue flowers, perfectly hardy, and very showy. Strong plants 75 cents per dozen; seed 10 cents.

S. pratensis. 2 feet. Violet-blue flowers. Seed 10 cents.

S. Sylvestris. 4 feet. Flowers purple. Seed 10 cts.

Senicio Douglasii.* 2 feet. Having more the appearance of a golden-flowered *Aster* than of a *Senicio*. Flowers exceedingly abundant, rays very narrow, an inch long. Blooms late, with the Hardy Asters. One of our best autum flowers. Seed 10 cents.

Sidalcea candida.* 2 feet. Very neat Mallow with large white flowers. Thrifty plants 75 cents per dozen; seed 10 cents.

Sidalcea Oregana. 3 feet. Large rose purple flowers in many long racemes, all summer. Plants $2.00 per dozen; seed 15 cents.

Stanleya pinnata.* Cleome-flowered Wall Flower. 3 feet. A hardy perennial with the aspect of a *Cleome*, flowers deep golden yellow, an inch broad, in terminal spikes a foot or more in length. Foliage pale glaucus, pinnate. Belongs to *Cruciferae*. Seed 10 cents.

STATICE.

Sea Lavender.

S. Beseriana. 9 inches. Broad foliage, graceful sprays of rosy-purple flowers. Seed 10 cents.

Statice latifolia.

S. latifolia. 2 feet. Large plumes of small blue flowers for many weeks. Plants $1.50 per dozen; seed 10 cents.

S. speciosa. 1 foot. Bright rose. Seed 10 cents.

S. tatarica.. Very dwarf, violet. Seed 10 cents.

THALICTRUM.

Meadow Rue.

Plants of easiest culture, beautiful tri-pinnate foliage and showy flowers.

Thalictrum Cornuti. Tall Meadow Rue. 5-8 feet. Foliage as delicate in appearance as a Maiden Hair Fern, yet of firm texture and large size, so it is exceedingly valuable in many places. Easily transplanted, and thrives

T. aquilegifolium.

in any rather light soil. The white flower sprays are esteemed for cutting. Strong clumps, $1.00 per dozen; seed 10 cents.

T. aquilegifolium. 3 feet. Very good sort with yellow flowers. Seed 10 cents.

T. Fendleri.* 2 feet. Very fine leaved sort, purplish flowers. Seed 10 cents.

T. saxitlis. Dwarf. Seed 5 cents.

Thermopsis montana. Yellow Lupine or Buffalo Pea. 1½ feet. One of the earliest yellow flowers, in long spikes, very fragrant, of easiest culture. 75 cents per dozen; seed 10 cents.

Thermopsis rhombifolia. Buffalo Pea. 1 foot. Resembles the last but blooms later. Seed 5 cents.

VALERIANA.

V. edulis.* 4 feet. Seed 5 cents.

V. Montana. 1 foot. White and rose. Seed 10 cents.

V. officinalis. 5 feet. 75 cents per dozen; seed 5 cents.

V. Phu. 3 feet. White. Seed 10 cents.

V. Sitchensis.* 6 inches. Rare novelty, earliest spring flower, white, very fragrant. Plants $2.00 per dozen; seed 25 cents.

ADDITIONAL RARE PLANTS AND SEEDS.

Including many valuable and comparatively new sorts from various parts of the United States and the Old World, all being *Perennial* unless otherwise mentioned. Colorado plants are distinguished thus (*)

	Plants per dozen.	Seed per pkt.
Aconitum autumnale, 3 feet. Very late deep blue flowers	$2 50	
" Columbianum, 6 feet. Early summer, large deep blue. branching, erect*	3 00	10
" " albidum, 3 feet. Pure white variety, slow germination.*		15
" Fisheri, 2 feet. Very large porcelain-blue, medium late, excellent	3 00	
" Napellus, 2 feet. Medium early variety, large blue flowers	2 00	
Apocynum androsaemifolium, 1 foot. Flowers pink and white bells, fragrant*	75	5
Arctostaphylus Uva-ursa. Trailing evergreen shrub, fine transplanted stock*	1 00	5
Artemisia absinthicum, 3 feet. Useful and ornamental sort		5
" dracunculoides, 3 feet*		5

Bocconia Japonica.

Aconitum Napellus.

Gaura Lindheimeri.

	Plants per dozen.	Seed per pkt.
Artemisia Canadensis, 3 feet*		5
" arbuscula, 3 feet. New evergreen silvery shrub, very ornamental*	3 00	
" filifolia, 2 feet. Shrub, feathery foliage, graceful flower sprays*	2 00	15
" frigida, 1 foot. Fine silvery fern-like foliage, for edgings*	75	10
" Ludoviciana, 2 feet. White foliage, good for large masses*	75	10
Asclepias incarnata, 5 feet. Large umbels of rosy purple flowers*	60	5
" speciosa, 3 feet. Strong grower, purple umbels, broad foliage*	1 00	10
" verticillaris pumila, 6 inches. Very pretty white flowered, in clumps*	75	10
Atriplex canescens, 3 feet. Evergreen shrub, curious and pretty*		10
" semi-baccatus. The true Australian Salt Bush		5
Berberis repens, 1 foot. Good covering shrub, sun or shade, evergreen*	75	10
Bocconia Japonica, 4 feet. Beautiful glaucus foliage, white flowers		10
Calirrhoe involucrata. Trailer, large crimson flowers, very showy*	1 50	

Calirrhoe involucrata.

Centaurea.

Coreopsis palmata.

	Plants per dozen.	Seed per pkt.
Calochortus Gunnisonii, 1 foot. Hardiest and best sort, white flowers*.	50	5
Centranthus ruber, 1 foot. Bright red flowers, long bloomer	1 00	10
" " albus. Pure white variety, seedlings, probably true	75	
Cheilanthes Fendleri, 8 inches. Rare evergreen terrestrial Fern. distinct*	1 00	
Chrysopsis villosa, 1 foot. Showy yellow aster-like flowers*		5
" " Rutteri, 1½ feet. Larger flowers and later, very showy*		10
Clematis coccinea. Beautiful scarlet flowers climber, herbaceous	2 00	5
" graveolens. Climber, yellow flowers, very unique	2 00	
" legusticifolia. Very neat white flowered climber*	1 00	10
" verticillaris. Very large blue flowers, shade*		15
Comellina coelestis, 1 foot. Beautiful blue flowers, all summer	75	15
" " alba. Pure white variety	1 00	20
Centaurea dealbata, 2 feet. Rosy purple heads, pinnate foliage		10

	Plants per dozen.	Seed per pkt.
Centaurea macrocephala, 3 feet. Large yellow heads, handsome foliage		10
Coreopsis angustifolia, 1½ feet. Large golden flowers, long stems	75	10
" aristosa, 3 feet. Beautiful large flowered branching annual		10
" aurea. New annual (?) sort from North Carolina		5
" grandiflora, 2 feet. Very handsome sort, extra large flowers		5
" palmata. Rare new sort, very neat		10
Corydalis aurea occidentalis. Neat trailing biennial, yellow flowers*		5
" curvisilqua, 6 inches. Distinct new sort, probably biennial*		10
Crambe cordifolia, 4 feet. Tall white sprays, broad masses of foliage		25
Echinocystis lobata. Beautiful annual climber. Soak seeds before planting*		5
Erigeron glabellus, 8 inches. Rosy Aster-like flowers, choice*	75	10
Eriogonum campanulatum, 1 foot. Golden Statice-like sprays, splendid new*		10
" flavum, 6 inches. Beautiful foliage, yellow flowers*		5
" microtheccum effusum, 1 foot. Flowers in purplish sprays*		5
" umbellatum. Umbrella shaped flower clusters, evergreen*	75	5
Eupatorium ageratoides, 2 feet. Beautiful white flowers		10
" maculatum, 4 feet. Robust, with huge purple flower clusters*	1 00	10
Frasera speciosa, 3 feet. Rigid erect habit, curious white flowers*	1 00	10
Gaillardia aristata, 2 feet. Very large deep yellow flowers*	1 00	10
" grandiflora, 2 feet. Similar but beautifully banded with red	1 00	10
Gaura coccinea, 1 foot. Neat pink flowers, dwarf habit*		5
" Lindheimeri, 3 feet. Beautiful large white flowers, all summer, grand sort		10
Gutierrezia Euthamiae, 1 foot. Hemispherical clumps of golden flowers*	75	10
Helianthella quinquenervis, 3 feet. Long pale yellow rays, narrow foliage*	1 00	10
Helianthus Maxmillianus, 6 feet. Immense terminal panicles, grand sort*	75	10
" pumilus, 2 feet. New dwarf sort, compact non-spreading habit*		10
" rigidus, 4 feet. Slender, smooth, large, flowering, extra good*	75	5
" laetiflorus, 4 feet. New semi-double, resembling the last	1 00	15

	Plants per dozen.	Seed per pkt.
Hydrophyllum occidentale, 1 foot. Beautiful Fern like foliage, shade*	75	10
Iris Missouriensis, 1 foot. Large pale blue flowers, wet or dry soil*	75	5
" pabularia. New Siberian sort		5
Leucocrinum montanum. Large white Lily-shaped flowers, fragrant, early*	75	
Liatris punctata, 1½ feet. Very profuse blooming sort*	75	5
" pycnostachia, 6 feet. Dense purple spikes, three feet long	1 00	5
" scariosa, 2½ feet. Extra early, large heads, distinct*	1 00	10
" " 3 feet. Eastern very late variety		10
Lobelia syphlitica, 2 feet. Large blue flowers in spikes, moist soil*		5
Lythrum alatum, 2 feet. Beautiful purple spikes, all summer, wet soil*	1 00	10
Malvastrum coccineum, 6 inches. Scarlet Mallow, hoary lobed foliage*		10
" " grandiflorum, 10 in. Large deep scarlet flowers, all summer*		15
Mentzelia laevicaulis, 1 foot. Large yellow Cactus-like flowers*		10
" nuda, Flowers larger, creamy white*		10
" ornata, 3 feet. Flowers much larger, (5 inch) white*		15
Mertensia Siberica, 3 feet. Beautiful blue flowered *Borage**	1 00	10
Monarda didyma, 2 feet. Large clusters of bright scarlet flowers	75	5
" fistulosa, 3 feet. Flowers bright violet-purple*	75	5
Museneon trachysperma, 6 inches. Moss-like foliage, golden flower sprays, early*		10
Onosmodium Carolinianum, 2 feet. Shaggy plant, white tubular flowers, new*		10
Opulaster Torreyi, 3 feet. Shrub, ornamental foliage, white umbels, new*		10
" opulaster, 8 feet. Neat flowers and foliage*	1 00	5
Oxytropis Lamberti, 8 inches. Radical Wistaria-like crimson spikes, lovely*		10
" " spicata, 1 foot. Large spikes, flowers white, superb*		10
" deflexa, 6 inches. Fern-like foliage, small flowers*		5
Ostrowskya magnifica, 4 feet. New giant *Campanula*, extra fine		25
Passiflora incarnata. Excellent herbaceous climber		5
Petalostemon candidum, var. 1 foot. Seemingly distinct sort, flowers white*	1 00	10

Spiraea filipendula, fl. pl.

Tradescantia Virginica.

	Plants per dozen.	Seed per pkt.
Petalostemon tenuifolium, 1 foot. Much branched, dense purple spikes*	1 00	10
Phlox divaricata, 1 foot. Very early light blue flowers, sun or shade	75	10
" Douglasii. Creeping, flowers abundant, large, white to purple*	75	10
" glaberrima, 1½ feet. Bright rose, large clusters, elegant habit	75	
" maculata, 3 feet. Late showy sort, purple flowers	75	
" paniculata, 3 feet. Beautiful everblooming variety from Illinois		10
" pilosa, 1 foot. White, rose, purple and starred varieties, mixed		15
" reptans, 1 foot. Earliest, neat foliage, large pale purple flowers	75	10
Phragmitis communis, 8-10 feet. Gigantic plumed reed-like grass, wet soil*	1 00	
Prunus ilicifolius. New evergreen Holly-leaved Cherry from California		15
Ruellia ciliosa, 1 foot. Large purple tubular flowers, hardy	1 00	
Rudbeckia laciniata, 5-8 feet. Large, neat foliage, yellow flowers*	75	

	Plants per dozen.	Seed per pkt.
Rudbeckia laciniata fl. pl. Differs only in the very double flowers	75	
Smilax herbacea, 8 feet. Ornamental foliage, thornless, purple berries*	1 00	5
Spigelia Marylandica, 1 foot. Large yellow and scarlet tubular flowers	1 50	
Spiraea filipendula, fl. pl. 3 feet. Beautiful foliage, elegant white flowers	1 00	
" lobata, 4 feet. Giant rose colored plumes, neat foliage	1 00	
Symyhoricarpos occidentalis, 3 feet. White berries, prolific*	75	5
" racemosus, 2 feet. Early dwarf sort*	75	5
Tradescantia rosea, 1 foot. Sleuder foliage, rose flowers, new	1 25	15
" Virginica, 2 feet. Beautiful long blooming sort		5
" " occidentalis, 6 inches. Dwarf, long bloomer, clumps*	1 00	10
Verbena Aubletia, 6 inches. Handsome large purple flowers, all summer*		10
" hastata, 5 feet. Small blue flowers in terminal racemes, erect*		10
" stricta, 2 feet. Neat erect sort, rather large deep blue flowers*		10
Viola cornuta. 6 inches. Handsome long-spurred blue flowers, all summer	75	
" cuculata. 6 inches. Large blue, early*		5
" Nuttallii. 6 inches. Large yellow flowers*		10
Zygdaenus Nuttallii, 2 feet. Early pale yellow "Wild Hyacinth," extra good*	75	5

MISCELLANEOUS SEEDS.

Perennial unless marked thus: (†)

	Per Packet
Acer glabrum*	5
Acerates viridiflorus*	5
Achillea macrophylla	15
" millifolia rubra.	10
" sericea	10
Actaea spicata rubra*	5
Actinella grandiflora*	10
Agrimonia Eupatoria*	5
Aletes acaulis*	5
Alisma Plantago-aquatica*	5
Allium acuminatum*	10
" cernuum, *rose**	10
" reticulatum*	5
Alnus incanus virescens*	10

	Per Packet
Ampelopsis vitacea*	10
Androsace septentrionalis*†	5
Antennaria dioica*	5
" marguritaceae	5
Aplopappus eriocarpus*	10
" Parryi*	10
Arabis alpina	5
Arnica cordifolia*	10
" montana*	15
Asperula azurea†	5
Baptisia tinctoria	5
Berula erecta*	5
Betuta glandulosa*	10
" occidentalis*	10
Blitum capitatum*†	5
Cassia chamaechrista†	5
" Marylandica	10
Castilleia integra*	10
" pallida*	5
" sessiliflora*	10
Catalpa speciosa	5
Celtis occidentalis*	5
Chenopodium ambrosioides*†	5
Cleome serrulata*†	5
Clitoria Mariana	15
Comandra pallida*	5
Crataegus macranthus*	5
Crepis occidentalis*	10
Crotolaria sagitalis	10
Cyclolomia atriplicifolia*†	5
Cymopterus acaulis*	5
" montana*	5
Draba streptocarpa*	10
Dracocephalum Austriacum	25
" Ruyschianum	15

	Per Packet
Dryas octopetala*	10
Echinacea angustifolia*	10
" purpurea	10
Epilobium spicatum*	5
Eriophorum Virginicum	10
Erodium cicutarium*†	5
Erysimum asperum*†	5
Erythronium grandiflorum*	10
Eurotia lanata*	5
Evolvulus argenteus*	10
Galactia glabella	10
Gentiana amarella*†	5
Geum atrosanguineum	5
" macrophyllum*	5
" rivale*	5
Gillenia trifoliata	10
Glycyrrhiza lepidota*	5
Grindelia cunefolia†	10
" sp. California†	10
" squarrosa†*	5
Gymnolomia multiflora	10
Harboura trachypleura*	10
Hedysarum obscurum	10
Helenium autumnale*	5
Heracleum lanatum*	5
Hetrometis arbutifolia	10
Hymenopappus filifolius*	5
Hypericum aureum	15
" Ascyron	5
" calacynum	10
" coris	15
" Gebleri	5
" Scouleri*	10
Isomeris arborea	10
Jatropa stimulosa	10

	Per Packet
Juniperus communis alpina*	5
" Virginiana glauca*	5
Kuhnia eupatorioides*	5
Krynitzkia virgata*	10
Lamium maculatum	10
Legusticum apifolium*	5
Ligularia macrophylla	10
" Siberica	10
Linaria Dalmatica	10
" Macedonica	10
" purpurea	10
Linum Lewisii*	5
Lygodesmia juncea*	5
" rostrata*†	5
Lysmachia ciliata*	10
Medicago sativa*	5
Mimulus luteus*	10
" ringens	5
Myrica Californica	10
Œnothera biennis*†	5
" " grandiflora*†	5
" " cristata*†	10
" pinnatifida*†	5
Oxybaphus augustifolius*	10
" hirsutus*	10
Oxyria digyna*	10
Pedicularis Groenlandica*	10
" procera*	10
Physaria didymocarpa*	5
Phytolacca decandra	5
Polemonium coeruleum	5
Physalis lobata (purple)*	10
Platystemma Californica	10
Pinus Murrayanus*	10
Polynasia trachysperma*†	5

	Per Packet
Potentilla arguta*	10
" fruticosa*	5
" glaudulosa*	10
" Hippiana*	10
" " pulcherrima*	10
" Pennsylvanica*	5
Prenanthes racemosa*	10
Psoralea esculenta*	15
" hypogaea*	10
" pinnata	10
" tenuiflora*	5
Primula Parryi*	20
Pucedanum nudicaule*	5
Pycnanthemum linifolium	10
Pyrithrum cinerarifolium	10
" roseum	5
Pyrus sambucifolium*	10
Ranunculus Pyrenaeus	10
Rhamnus croceus	10
" Californicus	10
Rhexia Mariana	5
" Virginica	5
Rhus lauriana	10
" trilobata*	10
Rhynchosia erecta	5
" renifolia	5
Sabbatia campestris†	5
" brachiata†	5
Sambucus glauca	10
Saxifraga bronchialis*	15
Scrophularia Marylandica*	5
Scabiosa Caucasica	10
" graminifolia	10
Senicio rapifolia*	5
Sedum Rhodanthum*	10

	Per Packet
Sedum stenopetalum*	5
" ternatum	5
Sisyrinchium anceps*	5
Smilacina amplexicaulis*	15
" stellata*	5
Solidago Missouriensis*	5
" rigida*	5
Specularia leptocarpa*†	5
" perfoliata*†	5
Stachys coccinea	15
Stillingia sylvatica	20
Stockesia cyanea	25
Streptopus amplexifolius*	15
Swertia perennis*	5
Tagetes Lemonii	10
Talinum teretifolium*	5
Telkia speciosa	10
Teplirosia Virginica	5
Tetradymia canescens*	10

	Per Packet
Thalaspi alpestre*	5
Thelesperma ambigua*	10
" gracilis*	5
Townsendia grandiflora*†	10
" sericea*	10
Tragia nepetifolia*	5
Trifolium dasyphyllum*	5
" panonicum	5
Trollius laxus albiflorus*	10
" Altaicus	10
Troximon cuspidatum*	10
" gracilens*	10
Verbesina encelioides*†	5
Vesicaria montana*†	5
Vicia Americana truncata*	5
" linearis*	5
Washingtonia nuda*	10
Zygadenus elegans*	5
Zizia aurea	5

Verbena Aubletia.

HARDY PERENNIALS FROM SEED.

The majority of perennials are as easily grown as annuals from seed. Frequently a little more time is required, and it is not rare for the period of germination to extend to three or four weeks; and in the case of some *Anemones*, *Clematis* and *Gentians*, to as manv months or even a year.

The same precautions against dryness and overwatering apply to perennials as to annuals.

The seeds should be sown as early as possible in a cold frame protected by shaded glass, cotton cloth or lath screens on which the lath are spaced one inch apart. We prefer the lath screen because good ventillation is insured, and *over-heating* prevented, which causes much unaccountable distruction in the seed bed. The soil should be carefully prepared and should contain a good proportion of sandy loam or leaf mold. The seeds should be sown in narrow straight drills, which can be marked with the edge of a lath, and covered lightly. Very fine seeds should be sown in pots of light porous soil and plunged to their rims in some part of the frame where they can be carefully watched. Water the seed bed carefully and thoroughly when necessary, and protect with oil cloth from violent rain. Pluck out weeds as soon as their character can be determined. When the seedlings have made sufficient growth remove them to permanent place or to a nursery bed.

If by autumn any kind has failed to appear, protect with evergreen boughs or excelsior packing which will also be beneficial to young seedlings yet in the frame.

This simple plan of operation will make the growing of Hardy Perennials from Seed, not only no "bugbear," but a source of real pleasure and unlimited satisfaction, to say nothing of possessing a valuable colection of plants which will live and bloom for years. A great many perenials bloom the first year if sown early.